



SURELOCK MCGILL
ACCESS AND EXIT PROTECTION



ELECTROMECHANICAL

ELECTROMECHANICAL ACCESS CONTROL LOCKING & BOLTING

As an industry leader in physical security solutions, we openly embrace research, development and the evolution of technology. It's only fitting that Surelock McGill offer a range of electromechanical locking solutions that are smart, robust and sophisticated in their operation.

From multi-point locks to automatic door operators, we provide a wide array of electromechanical locking solutions for your organisation, ensuring safety and security.

APPLICATIONS

Electromechanical solutions can be used in a variety of applications such as:

- Multiple-site premises
- Universities and school sites
- Sports facilities
- Government facilities
- Hotels
- Banks
- Shopping centres

WHY AN ACCESS CONTROL SYSTEM?

There are many advantages to having an access control system installed on site:

- Can mean the removal of mechanical keys which are susceptible to being misplaced, copied without permission and changed on sites that require continuous key changes (i.e. construction sites).
- Access control systems can be programmed to allow certain levels of access which gives an organisation complete control over entry into a building
- Smart keys if lost can be deactivated using the access control system so that security does not become compromised

BENEFITS OF A SURELOCK MCGILL ELECTROMECHANICAL ACCESS CONTROL SYSTEM:

- Provides resistance to multiple forms of threat (for example, security, fire, blast, ballistic attack) as well as allowing entrance and exit to a facility
- Designed, tested and certified for the health and safety duty of care that is required today
- Internally tested to ensure that we maintain the quality and worth of our products
- Various entry and exit methods
- Certain models can be retro-fitted to suit future operational requirements
- Third party tested through several organisations to ensure we achieve and maintain UK and European standards:



ELECTROMECHANICAL ACCESS CONTROL LOCKING & BOLTING

Product Index

	Voltage				Fuse Spur Connection	RTE	Monitoring		Bolt Throw	Secondary Access		Mechanical exit Options			
	Standard		Special				Lock Status	Bolt Status		Key	Combination Dial	Panic Plate	Push Pad	Escape Lever	Thumbturn
	12vdc	24vdc	12vac	24vac											
Multipoint locking - Swing Doors															
Slimline - Solenoid operation	✓	✓	✓	✓		✓	Both as standard		25mm	✓	✓	✓	✓	✓	✓
Slimline - Motorised operation		✓			3A	✓	Both as standard		25mm	✓		✓	✓	✓	✓
Slimline - Safe & Secure operation	✓					✓	Both as standard		25mm	✓		✓	✓	✓	
Slimline - Delayed Egress operation	✓				3A				25mm	✓		✓	✓	✓	
Single point locking - Swing Doors															
Stirling - Solenoid operation	✓	✓				✓	Both as standard		25mm	✓		✓	✓	✓	✓
Purbrook - Solenoid operation	✓	✓					Both as standard		40mm	✓				✓	✓
AC850 - Motorised operation		✓			3A	✓	Both as standard		25mm	✓		✓	✓	✓	✓
AC900 - Motorised operation		✓			3A		Both as standard		32mm	✓				✓	
Multipoint Locking - Swing & Sliding Gates															
Moorgate	✓	✓					Both as standard			✓				✓	✓
Automatic Door Operators (ADO's)															
ADO 150					5A										
ADO 300					5A										
Key & asset Management System															
Key management systems					3A										
Asset management systems					3A										
Key mangement safes					3A										

Power Consumption

System	Max power consumption	Max current draw	Recommended power supply
Slimline 12V	10W per solenoid	0.8A per solenoid	Single solenoid 12V 1.5A / Twin solenoid 12V 2A
Slimline 24V	10W per solenoid	0.4A per solenoid	Single solenoid 24V 1.0A / Twin solenoid 24V 1.5A
Slimline delayed egress	20W	1.67A	12V 3A (240V ac) power supply provided with lock
Slimline motorised	48W	2.0A	24V 2A (110V to 240V ac) power supply provided with lock
Stirling 12V	7W	0.58A	12V 1A
Stirling 24V	8.5W	0.29A	24V 0.5A
AC850	24W	1A	24V 2A (110V to 240V ac) power supply provided with lock
AC900	48W	2.0A	24V 2A (110V to 240V ac) power supply provided with lock
ADO	120W	0.5A (240V)/1.1A (110V)	Recommend connection to 5A fused spur
Keyboxes	55W	0.5A (240V)/1.1A (110V)	Recommend connection to 3A fused spur

ELECTROMECHANICAL ACCESS CONTROL LOCKING & BOLTING

The Slimline Range – Solenoid & Motorised

A high performance multi-point locking system that automatically locks upon door closure. It provides physical, blast and ballistic resistance in a single product and is compatible with the majority of access control systems. A full list of enhancements is available upon request.

SOLENOID

FEATURES

- Surface mounted or mortice fitted solutions
- 15mm x 25mm throw stainless steel bolts
- Choice of exit device operators
- Tested to over 1,000,000 cycles
- Suitable for doors 2.2m high and extensions available for taller doorsets
- Optional Bolt Enhancement packs available for blast applications
- Bolt and deadlocking status monitoring as standard
- 12V DC fail secure, as standard
- 24V DC fail secure, 12V DC or 24V DC fail safe options
- External key override optional

BENEFITS

- Automatic unlocking and relocking
- Tested on specific doorsets up to LPS 1175:SR6
- Life safety device BSEN 179/1125 and UL305 compliant, CE marked
- Engineered for longevity and trouble free service

MOTORISED

FEATURES

- Supplied with dedicated 24V power supply
- Motorised bolt retraction
- Manual override entry and exit options available
- Surface mounted solutions
- Proven rack & pinion mechanism
- 15mm x 25mm throw stainless steel bolts
- Choice of exit device operators
- Tested to over 1,000,000 cycles
- Suitable for doors 2.2m high and extensions available for taller doorsets
- Alternative direction & additional auxiliary bolts can be added
- Optional Bolt Enhancement packs available for blast applications
- Bolt and deadlocking status monitoring as standard

BENEFITS

- Remote or local operation capability
- Tested on specific doorsets up to LPS 1175:SR6
- Fully automatic securing and unlocking of the system
- Fully automated opening and closing of door when fitted with an ADO actuator
- Life safety device BSEN 179/1125 and UL305 compliant, CE marked
- Remote monitoring of lock and bolt status



Access control entry
(supplied by others)

SOLENOID

MOTORISED

ELECTROMECHANICAL ACCESS CONTROL LOCKING & BOLTING

The Slimline Range – Delayed Egress & Fail Safe & Secure

Two high performance multi-point access control systems. The Delayed Egress bolting system is a panic exit system that includes an anti-breach feature to help to stop opportunistic thieves. The Fail Safe and Secure system provides controlled entry and exit into a building through internal and external access control mechanisms. Both systems are compatible with the majority of access control systems.

DELAYED EGRESS

FEATURES

- Supplied with dedicated 12V power supply
- Pre-set time delay when panic bar is depressed, exit is permitted after the delay
- Surface mounted for maximum strength
- Timer set at 10 seconds as standard- adjustable from 6 to 60 seconds on site
- 15mm hardened stainless steel bolts with 25 mm throw
- Designed for the solenoid to withdraw with up to 80kgs of pressure applied to the panic bar
- Suitable for doors 2.2m high and extensions available for taller doorsets
- Supplied with bolt status monitoring as standard
- Supplied with steel core fixings and keeps as standard
- Audible alarm activated during the time delay

BENEFITS

- Allows connection with detection/fire alarm systems
- Anti-breach feature (delayed panic bar) helps to stop 'run-out theft' and unauthorised use without compromising safety
- Allows immediate exit in the event of fire alarm or power failure
- Automatically re-secures the environment upon door closure
- Engineered for longevity and trouble-free service
- Upgrade solution for existing doors
- Can be used with automatic door operators

FAIL SAFE & SECURE

FEATURES

- Surface mounted or mortice fitted solutions
- 15mm x 25mm throw stainless steel bolts
- Ergonomic cranked lever handle provides one handed means of exit during alarms or power failure
- Tested to over 1,000,000 cycles
- Suitable for doors 2.2m high and extensions available for taller doorsets
- Steel core fixings and bolt keeps supplied suitable for timber frame – alternative keeps can be supplied upon request
- Optional Bolt Enhancement packs available for blast applications
- Bolt and deadlocking status monitoring as standard for each lock
- 12V as standard, 24V optional
- Cylinder guard protection available up to LPS 1175:SR6 available
- Access control entry at all times with optional key override
- Access controlled exit during normal hours - EN 179 compliant single action lever handle can be operated during emergencies or fire alarm situations

BENEFITS

- Swipe in & out but free exit in the case of power failure whilst maintaining security
- Mechanical key entry in case of power failure - a high level of security is maintained during these instances
- Tested on specific doorsets up to LPS 1175:SR6
- Engineered for longevity and trouble free service
- Automatic unlocking and relocking



LPS 1175 SECURITY RATING (on selected doorsets)	SR 2	SR 3	SR 4	SR 5	SR 6	 Blast - For details contact our Technical Dept EN1522/23 FB1- FB7 & FSG	 EN1125/EN179/UL305  BS476 PT22/EN1634-1/UL10C - up to 4 hours
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Above performance results are based on independent third party testing or assessment on selected doorsets

ELECTROMECHANICAL ACCESS CONTROL LOCKING & BOLTING

The Stirling Range

A high performance surface mounted single-point locking system that automatically secures upon door closure. It provides physical and ballistic resistance in a single product and is compatible with the majority of access control systems.

SOLENOID

FEATURES

- Surface mounted solution for maximum strength
- Automatic locking upon door closure
- 19mm square stainless-steel bolt with 25mm throw
- Tested to over 1,000,000 cycles
- Lock and bolt status monitoring as standard
- 12V DC fail secure, as standard
- 24V or 50V DC fail secure, 12V/ 24V DC fail safe options
- Can be used with automatic door operators
- External key override optional

BENEFITS

- Automatic relocking as standard
- Tested on specific doorsets up to LPS 1175:SR4
- Life safety device BSEN 179/1125 and UL305 compliant, CE marked
- Engineered for longevity and trouble-free service
- Upgrade solution for existing doors



Access control entry
(supplied by others)

AC850

FEATURES

- Motorised unlocking and bolt retraction
- Manual override entry and exit options available
- Surface mounted for maximum strength
- Automatic bolting upon door closure
- Supplied with controller to operate the lock
- 19mm x 25mm stainless-steel bolt with 25mm throw
- End thrust loading over 7 times BS 3621
- Supplied with bolt & deadlock status monitoring as standard
- Supplied with steel core fixings
- Supplied with dedicated 24V power supply
- Can be used with automatic door operators

BENEFITS

- Automatic relocking as standard
- Tested on specific doorsets up to LPS 1175:SR4
- Life safety device BSEN 179/1125 compliant, CE marked
- Engineered for longevity and trouble-free service
- Upgrade solution for existing doors



LPS 1175 SECURITY RATING (on selected doorsets)	SR 2	SR 3	SR 4		Blast - For details contact our Technical Dept		EN1125/EN179/UL305
					EN1522/23 FB1 - FB6 & FSG		BS476 PT22/EN1634-1/JUL10C - up to 4 hours



Above performance results are based on independent third party testing or assessment on selected doorsets

ELECTROMECHANICAL ACCESS CONTROL LOCKING & BOLTING

AC900 & Purbrook

Two high performing single bolt locking systems. The AC900 is a heavy duty motorised lock, providing controlled release together with a selection of operating modes to suit individual building applications. The Purbrook is a fully stainless steel, non-handed and bi-directional device engineered with a unique modular design, making it suitable and ideal when a change in the operation of a lock is required.

AC900

FEATURES

- Surface mounted or mortice fitted solutions
- Programmable choice of re-locking upon door closure
- 40mm x 20mm stainless-steel bolt with 32mm throw with an anti-friction roller (siege protection)
- Controller pre-programmed to provide lock functionality - including, bolt and deadlock status monitoring and timing of operations
- Supplied with dedicated 24V power supply
- 1,400Ncm torque motor
- 22W nominal power consumption
- Motorised unlocking and bolt retraction
- Manual override entry and exit options available
- Designed for use with automatic door operators

BENEFITS

- Anti-siege mechanism built in
- Engineered for longevity and trouble-free service
- Lock status monitoring as standard
- Door secured when in closed position



The Purbrook

FEATURES

- 40mm bolt throw which automatically secures upon door/gate closure
- Internal operation is easy to adjust on site from a single action escape function to a controlled deadlock release and vice versa
- External key override optional
- A specially designed restraining 'trigger snib' which is adjustable on-site during installation
- Tested to over 1,000,000 cycles
- Standard remote monitoring of bolt/lock/microswitch (latter for request to exit only)
- Optional internal handle protection shroud for 'anti-fishing' resistance
- 12V DC fail secure as standard (other voltages available)
- Optional anti-drill plate which has been tested to LPS 1175 SR6 is available

BENEFITS

- Full stainless-steel construction providing corrosion resistance
- Special adjustable 'trigger snib' allows for greater tolerances between gate and frame
- Multiple applications



Access control entry
(supplied by others)



Above performance results are based on independent third party testing or assessment on selected doorsets with the Purbrook only

The Moorgate

The Moorgate is a multi-point lock specially designed for securing sliding or hinged gates, doors and hatches. Two inverted hooks and a central aligning bolt deadlock until the access control mechanism is activated, automatically unlocking The Moorgate and allowing the user to manually retract the shoot bolt (solenoid unlocking).

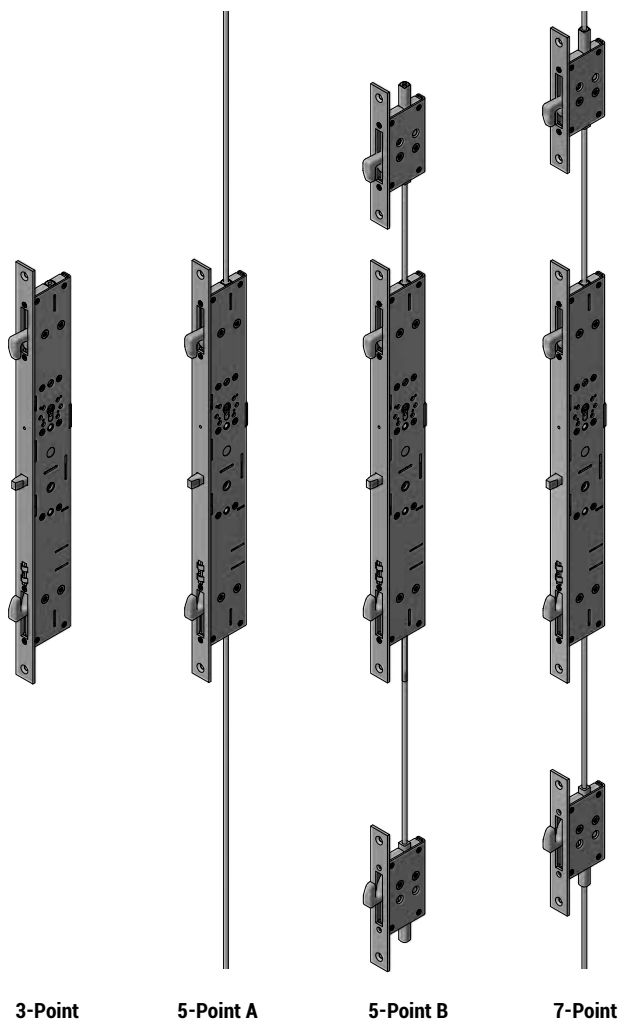
The Moorgate

FEATURES

- 2 No 10mm thick x 45mm projection inverted hook-bolts, resist gate lift-off
- Central aligning guide bolt
- Automatic engaging and deadlocking (manual deadlocking optional)
- 12V DC fail secure as standard
- 24V DC fail secure available
- 12V DC or 24V DC fail safe options
- Stainless steel mechanism
- Additional ancillary hook bolts available for taller gates
- Robust keep arrangement
- Tested to LPS 1175 Security Rating SR3 when fitted on selected gates
- External key override optional

BENEFITS

- Engineered for longevity and trouble free service
- Automatic unlocking and relocking
- Life safety device when BSEN 179 compliant
- Remote monitoring of lock/bolt status as standard



ADO's

Automatic door operators suitable for use on single and double leaf swing doorsets. The model can be installed on the internal or the external side of the doorset with the option to add tapered pin extensions to accommodate various on-site applications.

ADO 150

FEATURES

- Operates doors up to a maximum weight of 150kg for internal and external leaves
- Maximum door width of 1400mm for both internal and external leaves
- Power supply 115/230Vac +/- 10%, 50-60Hz
- A working temperature range of -15°C to +50°C
- Protection degree IP31
- Power supply of external accessories is 24Vdc
- Opening time (95°) is 4-12 seconds/ Closing time (95°) is 5-15 seconds
- Electric motor and power supply of external accessories is 24Vdc
- Door operator must be connected to a 5amp un-switched fused spur

BENEFITS

- Suitable for use on escape routes
- Suitable for use on fire doors for up to 120 minutes
- Battery options available in case of power failure
- Tapered pin extensions available to accommodate various site applications



ADO 300

FEATURES

- Operates doors up to a maximum weight of 300kg for internal leaves and 250kg for external leaves
- Maximum door width of 1400mm for both internal and external leaves
- Power supply 115/230Vac +/- 10%, 50-60Hz
- Power 120W
- A working temperature range of -15°C to +50°C
- IP31 rating
- Electric motor and power supply of external accessories is 24Vdc
- Opening time (95°) is 4-12 seconds/ Closing time (95°) is 5-15 seconds
- Door operator must be connected to a 5amp un-switched fused spur

BENEFITS

- Suitable for use on escape routes
- Suitable for use on fire doors for up to 120 minutes
- Battery options available in case of power failure
- Tapered pin extensions available to accommodate various site applications



	EN 13849-1 / EN 13849-2 / EN 16005		EN 61000-6-2 / EN 61000-6-3
	EN 60335-1		EN 1634-1



Above performance results are based on independent third party testing or assessment on selected doorsets

Key Management Cabinets

From our range of key management systems comes the IQ key and storage management cabinets. Locked in place using RFID tag and locks, key/bunches and individual items can be secured. Access to the keys and/or items is granted through a PIN code and/or card.

IQ100 WALL KEY CABINET

FEATURES

- 100 RFID key places
- Graphics control program
- Built-in dual core computer
- Built-in touch screen LCD monitor
- Built-in proximity card reader
- TCP/IP ethernet protocol
- SSD system drive
- Backup memory
- Up to 30,000 events stored
- Made from steel
- Multi card and fingerprint reader, staggered key modules and facial recognition available
- Recommended to be connected to a 3amp un-switched fused spur

BENEFITS

- Software can integrate with other systems
- Modular design – can be customised to suit users' needs
- Built-in battery in the event of a power failure
- Remote access allows security and control over the entire process



IQ BOX STORAGE CABINET

FEATURES

- 2 up to 180 intelligent box places
- Graphics control program
- Built-in dual core computer
- Built-in touch screen LCD monitor
- Built-in proximity card reader
- TCP/IP ethernet protocol
- SSD system drive
- Backup memory
- Up to 30,000 events stored
- Made from steel
- Windows storage boxes available
- Mini box modules, multi card and fingerprint reader, and facial recognition available
- Recommended to be connected to a 3amp un-switched fused spur

BENEFITS

- Software can integrate with other systems
- Modular design – can be customised to suit users' needs
- Built-in battery in the event of a power failure
- Remote access allows security and control over the entire process



Key Management Cabinets

From our range of key management systems comes the IQ key safe management cabinet. Secured inside a safe, access to the key/ bunches and individual items can be gained through using an external mechanical key, digital combination lock or keypad. To remove any items secured by RFID tags a correct PIN code and /or card can be used.

IQ40 SAFE KEY CABINET

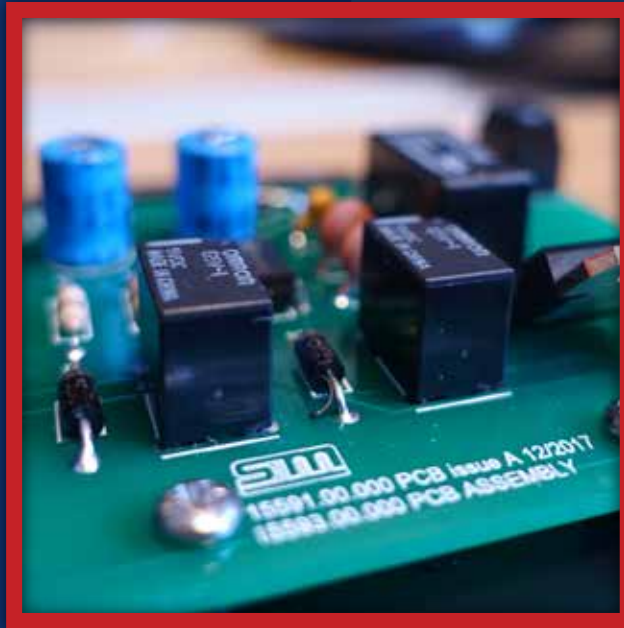
FEATURES

- 40 RFID key places and keys
- Graphics control program
- Built-in dual core computer
- Built-in touch screen LCD monitor
- Built-in proximity card reader
- TCP/IP ethernet protocol
- SSD system drive
- Backup memory
- Up to 30,000 events stored
- Made from steel
- Multi card and fingerprint reader, staggered key modules and facial recognition available
- Recommended to be connected to a 3amp un-switched fused spur

BENEFITS

- Software can integrate with other systems
- Modular design – can be customised to suit users' needs
- Built-in battery in the event of a power failure
- Remote access allows security and control over the entire process





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